

INDEX

ORIGINAL SCIENTIFIC PAPERS (OP) – IZVORNI ZNANSTVENI RADOVI (OP)
 NOTES (N) – BILJEŠKE (N)
 PRELIMINARY COMMUNICATIONS (CP) – PRETHODNA SAOPĆENJA (PC)
 AUTHOR'S REVIEWS (AR) – AUTORSKI PREGLEDI (AR)
 FEATURE ARTICLES (FA) – AKTUALNI PRIKAZI (FA)
 CONFERENCE PAPERS (CP) – KONFERENCIJSKI PRILOZI (CP)
 DATA BANK CONTRIBUTIONS (DB) – PRILOZI ZA BANKE PODATAKA (DB)

- Aruga, RP:** Use of Multivariate Chemometric Techniques in the Thermodynamic Studies of Chemical Equilibria in Different Solvents (OP) 459
- Babić, D., Graovac, A. and Trinajstić N.:** On the HOMO-LUMO Separation in Fullerenes (OP) 35
- Bakač, A.:** Radical Kinetics as a Mechanistic and Analytical Tool (AR) 435
- Balaban, A. T.:** Lowering Intra- and Intermolecular Degeneracy of Topological Invariants (AR) 447
- Balogh, T. and Náray-Szabó, G.:** Application of the Average Molecular Electrostatic Field in Quantitative Structure-Activity Relationships (OP) 129
- Batinić-Haberle, I., Biruš, M., Imper-Vuletić, V., and Spasojević, I.:** Kinetics of the Formation and Hydrolysis of (Desferrioxamine B) Aluminium(III) and Gallium(III) Complexes in Acidic Aqueous Perchlorate Solutions (OP) 373
- Biruš, M.:** *vidi* Batinić-Haberle, I.
- Bobrowski, A. and Bond, A. M.:** A Comparison of Qualitative and Quantitative Methods used to Define the Resolution of Two Overlapping Reversible Processes in Second and Fundamental Harmonic Alternating Current Voltammetry (OP) 499
- Bodor, N.:** *vidi* Pop E.
- Bonchev, D., Liu Xiaoyu, and Klein D. J.:** Weighted Self-Returning Walks for Structure-Property Correlations (OP) 141
- Bond, A.:** *vidi* Bobrowski, A.
- Branica, M.:** *vidi* Lovrić; M.Djogić, R.
- Brewster, M. G.:** *vidi* Pop, E.
- Brnjas-Kraljević, J., Pifat, G., and Herak, J.:** Probing of the Surface of High-density Lipoproteins with Mn(II) Ions and EPR Spectroscopy (OP) 547
- Brodnjak-Vončina, D.:** *vidi* Dobčnik, D.
- Brunvoll, J.:** *vidi* Cyvin, S. J.
- Castro, B. R. M., Gomes, J. A. N. F., and Mallion, R. B.:** Calculated »London« π -Electron Magnetic-Properties of Some Carbon-Atom Fragments Extant on the Surface of Icosahedral C₆₀ (Buckminsterfullerene) (CP) 49

| | |
|---|-----|
| Cerjan-Stefanović, Š. and Rastovčan A.: Ion Chromatographic Analysis of Anion from Slag Elution (OP) | 539 |
| Chih-Han Sah: Combinatorial Construction of Fullerene Structures (OP) | 1 |
| Cioslowski J. and Fleischmann E. D.: <i>Ab initio</i> Electronic Structure Calculations of Molecular Similarity: A Case Study of 4-Aminobutyric Acid and Its Agonists (OP) | 113 |
| Clancy, P. L.: vidi Kumar D. | |
| Csavinsky, P.: Investigation of an Inequality between Atomic Expectation Values via the Density Functional Theory (OP) | 167 |
| Cyvin, B. N.: vidi Cyvin, S. J. | |
| Cyvin, S. J., Cyvin, B. N., and Brunvoll, J.: All Benzenoid Systems: an Algebra of Invariants (OP) | 101 |
| Delest, M. P. and Dulucq, S.: Enumeration of Directed Column-Convex Animals with a Given Perimeter and Area (OP) | 59 |
| Dinya, Z., Komáromi, I., Sztaricskai, F., Lévai, A., and Litkei, G.: Photoelectron (Hel) Spectroscopy of Flavonoids and Thioflavonoids, I. Molecular Orbitals and Ionization Potentials of Chalcone, Aurone, and 1-Thioaurone (OP) | 255 |
| Dinya, Z., Sztaricskai, F., Lévai, A. and Litkei, G.: Photoelectron (Hel) Spectroscopy of Flavonoids and Thioflavonoids, II. Photoelectron Spectra of Chromone and 1-Thiochromone Derivatives (OP) | 265 |
| Djogić, R., Raspor, B. and Branica, M.: Characterization of the Uranyl-mono-hydrogenperoxo Complex in Aqueous 0.7 mol dm ⁻³ LiClO ₄ by Spectrophotometry (OP) | 363 |
| Dobčnik, D. and Brodnjak-Vončina, D.: Determination of End-Points in Hydrolytic Potentiometric Titrations in the Ca ²⁺ - F ⁻ System (OP) | 401 |
| Dobrynin, A. A.: Generation of Graphs of Unbranched Penta-hexagonal Catacondensed Systems (OP) | 91 |
| Dragčević, D.: vidi Musić, S. | |
| Dulucq, S.: vidi Delest, M. P. | |
| Feretić, S.: A New Coding for Column-Convex Directed Animals (OP) | 81 |
| Fleischmann, E. D.: vidi Cioslowski, J. | |
| Gomes, J. A. N. F.: vidi Castro, B. R. M. | |
| Graovac, A.: vidi Babić, D. | |
| Herak, J.: vidi Brnjas-Kraljević, J. | |
| Huang Ming-Ju: vidi Pop, E. | |
| Imper-Vuletić, V.: vidi Batinić-Haberle I. | |
| Jadrić, A.: vidi Mišić, V. | |
| Juretić, D., Lučić, B., Trinajstić, N.: Predicting Membrane Protein Secondary Structure: Preference Functions Method for Finding Optimal Conformational Parameters (OP) | 201 |
| Kalman, A.: On the Nature of Hypervalent S-O Bonds in Sulfuranes (CP) | 519 |

| | |
|--|-----|
| Kirby, E. C.: Cylindrical and Toroidal Polyhex Structures (OP) | 13 |
| Klasinc, L.: vidi Plavšić, D. | |
| Klein, D. J.: vidi Bonchev, D.; Plavšić, D.; Schmalz, T. G. | |
| Koležynski, A., Ptak, W. S., Mrugalsky, J., and Tkacz-Smiech, K.: Application of DFT – Cellular Method to Alkaline Metals: Lithium (OP) | 177 |
| Komáromi, I.: vidi Dinya, Z. | |
| Komorsky-Lovrić, Š.: vidi Lovrić, M. | |
| Kumar, D., Clancy, P. L., Klasinc, L., and McGlynn, S. P.: Laser Optogalvanic Spectrum of Cesium in a Radiofrequency Discharge (OP) | 217 |
| Ladik, J.: How to Tailor Polymers with the Help of Quantum Theory? (AR) | 193 |
| Leban, I., Majeen Le Marechal, A., and Robert, A.: The Crystal and Molecular Structures of Two Reaction Products of Geminal Dicyano Oxirane with Thiohydantoin (Compound I) and Thioxobenzoxazole (Compound II) (OP) | 393 |
| Lévai, A.: vidi Dinya, Z. | |
| Liu Xiaoyu: vidi Bonchev, D. | |
| Litkei, G.: vidi Dinya, Z. | |
| Lončar, L., Otočan, K., Mintas, M., Trötsch, T., and Mannschreck, A.: Chiral Chromenes: Synthesis, Separation of Enantiomers and Barriers in Racemization (OP) . . . | 209 |
| Lovrić, M., Komorsky-Lovrić, Š., and Branica, M.: Pulse Polarography of Surface EC Mechanism (OP) | 279 |
| Lučić, B.: vidi Juretić, D. | |
| Majeen Le Marechal, A.: vidi Leban, I. | |
| Mallion, R. B.: vidi Castro, B. R. M. | |
| Mannschreck, A.: vidi Lončar, L. | |
| Mary, N. L. and Parameswaran, G.: Physicochemical Studies and Thermal Decom- position Kinetics of Cobalt(II) and Nickel(II) Complexes of Acetylacetoneaminoflu- orene (OP) | 355 |
| Matijević-Sosa, J.: vidi Nikolić, S. | |
| Mayer, I. and Surján P. R.: Handling Overlap as a Perturbation (OP) | 161 |
| McGlynn, S. P.: vidi Kumar, D. | |
| Medić-Šarić, M.: vidi Nikolić, S. | |
| Mekjavić, I.: vidi Višić, M. | |
| Mihalić, Z.: vidi Randić, M. | |
| Ming-Li: Band Structures for Superconductors $\text{LnBa}_2\text{Cu}_3\text{O}_7$ (Ln = Ho, Er, Tm, Yb) (OP) . . | 323 |
| Mintas, M.: vidi Lončar, L. | |
| Mirnik, M.: Theory of Formation of Colloidal Crystals (OP) | 509 |

| | |
|---|-----|
| Mlinarić-Majerski, K., Pavlović, D., Veljković, J., and Šindler- Kulyk, M.: Photochemical Behaviour of 4-Methylene-2-adamantanone, and Exocyclic β,γ -Un- saturated Ketone (OP) | 385 |
| Moyano, A.: Dual Graphs and Retrosynthetic Analysis of Regular Polyhedranes (CP) | 27 |
| Mrugalsky, J.: vidi Koležynski, A. | |
| Musić, S., Dragčević, D., and Popović, S.: Formation of Rust During the Corrosion of Steel in Water and $(\text{NH}_4)_2\text{SO}_4$ Solutions (OP) | 469 |
| Musić, S.: vidi Šuveljak-Šipalo, B. | |
| Náray-Szabó, G.: vidi Balogh, T. | |
| Nikolić, S., Medić-Šarić, M., and Matijević-Sosa, J.: A QSAR Study of 3-(Phthalimido- alkyl)-pyrazolin-5-ones (CP) | 151 |
| Nikolić, S.: vidi Plavšić, D.; Randić, M. | |
| Otočan, K.: vidi Lončar, L. | |
| Parameswaran, G.: vidi Mary, N. L. | |
| Pavlović, D.: vidi Mlinarić-Majerski, K. | |
| Pifat, G.: vidi Brnjas-Kraljević, J. | |
| Plavšić, D., Nikolić, S., Trinajstić, N., and Klein, D., J.: Relation between the Wiener Index and the Schultz Index for Several Classes of Chemical Graphs (OP) | 345 |
| Ponec, R. and Strnad, M.: Position Invariant Index for Assessment of Molecular Similarity (CP) | 123 |
| Pop, E., Brewster, M. E., Huang Ming-Ju, and Bodor, N.: Dihydropyridine Isomerism in the Chemical Delivery System Series (OP) | 531 |
| Popović, S.: vidi Musić, S. | |
| Ptak, W. S.: vidi Koležynski, A. | |
| Randić, M.: Comparative Regression Analysis. Regressions Based on a Single Descrip- tor (OP) | 289 |
| Randić, M., Mihalić, Z., Nikolić, S., and Trinajstić N.: Graph- Theoretical Correla- tions – Artifacts or Facts? (FA) | 411 |
| Raspor, B.: vidi Djogić, R. | |
| Rastovčan, A.: vidi Cerjan-Stefanović, Š. | |
| Robert, A.: vidi Leban, I. | |
| Schmalz, T. G. and Klein, D. J.: Renormalization Group for the Linear-Chain Heisenberg Model (OP) | 185 |
| Spasojević, I.: vidi Batinić-Haberle, I. | |
| Strnad, M.: vidi Ponec, R. | |
| Stupnišek-Lisac, E. and Takenouti, H.: The Behaviour of Cobalt in Concentrated Nitric Acid Solutions (OP) | 313 |
| Surján, P. R.: vidi Mayer, I. | |

- Sztaricskai, F.:** vidi Dinya, Z.
- Šindler-Kulyk, M.:** vidi Mlinarić-Majerski, K.
- Šuveljak-Šipalo, B., Wolf, H. R. R., and Musić, S.:** Precipitation of Thorium Hydroxide in the Presence of Gelatin and Sodium Nitrate (OP) 331
- Takenouti, H.:** vidi Stupnišek-Lisac, E.
- Tkacz-Smiech, K.:** vidi Koležnyński, A.
- Trinajstić, N.:** The Magic of the Number Five (CP) 227
- Trinajstić, N.:** vidi Babić, D.; Juretić, D.; Plavšić, D.; Randić, M.
- Trötsch, T.:** vidi Lončar, L.
- Veljković, J.:** vidi Mlinarić-Majerski, K.
- Višić, M. and Mekjavić, I.:** Thermodynamics of the Cell: $\text{Cd}(\text{Hg})_{\text{satd.}} | \text{CdCl}_2(m) | \text{AgCl} | \text{Ag}$ in (10, 30 and 50 Mass per Cent) 2-Propanol-Water Mixtures (OP) 479
- Višić, M., Jadrić, A., and Mekjavić, I.:** The Stability Constants of Cadmium Chloride Complexes in 2-Propanol-Water Mixtures (0, 10, 30 and 50 Mass per Cent) from Electromotive Force Measurements (OP) 489
- Wolf, H. R. R.:** vidi Šuveljak-Šipalo, B.